

CONFIDENTIAL

DDI IMAGERY ANALYSIS STAFF

NAME Qui Vinh RR. Bridge No. 1 over Song Hoang Mai <input type="text"/> Bridge No. 1 on NE 48-3	COUNTRY North Vietnam	COORDINATES 19 15N - 105 41E WG724298	25X1
<input type="text"/>		BRIEF NO: PIB 75603 April 1967	25X1
MAP JOG (A) 1501 NE 48-3			

LOCATION: 0.4 nm W of Qui Vinh on Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 260'

WIDTH

TYPE

Through-truss

MATERIAL Steel and concrete

NO. OF SPANS 2

LENGTH OF EACH SPAN 130'

25X1

STATUS:

No change

25X1

25X1

COMPENSATIVE ACTION:

By-Pass No. 1 probable 10-span timber deck-
beam bridge with spans measuring 20'; 110' E of main bridge;
undergoing repairs; unserviceable.

By-Pass No. 2 - no change

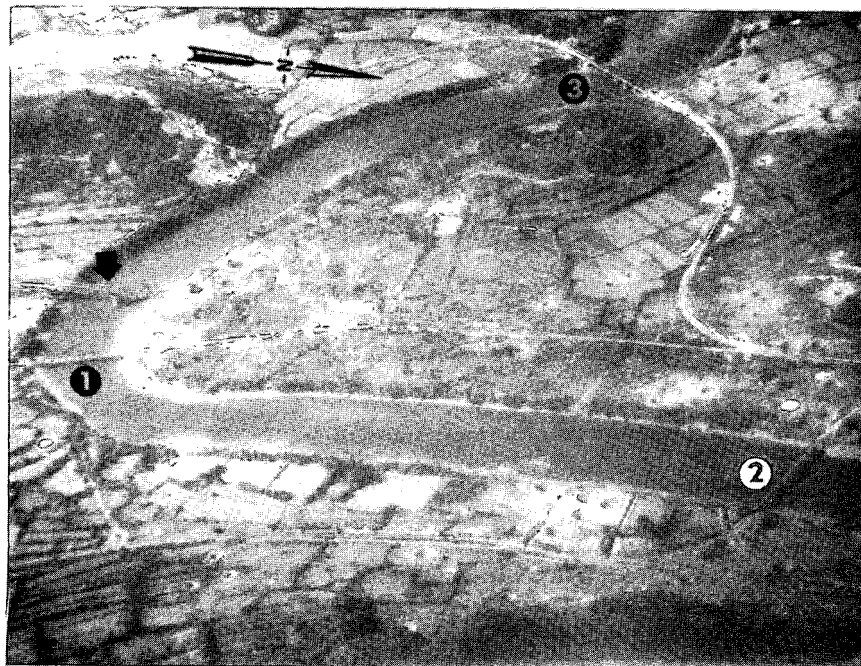
By-Pass No. 3 - no change

25X1

25X1

25X1

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Tam Da RR. and Hwy. Bridge over Song Cua Lo [] Bridge No. 18 on NE 48-7	COUNTRY	North Vietnam	COORDINATES	18 50N - 105 39E WF691839
	25X1	[]			BRIEF NO:	PIB 75606 April 1967
	MAP	JOG (A) 1501 NE 48-7				

LOCATION: 2.3 nm NE of Tam Da on the Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

25X1	LENGTH	360'	MATERIAL	Timber and concrete
	WIDTH	[]	NO. OF SPANS	12 probable
	TYPE	Deck-beam	LENGTH OF EACH SPAN	30'

STATUS:

Probably repaired and serviceable; 1 approach interdicted.

COMPENSATIVE ACTION:

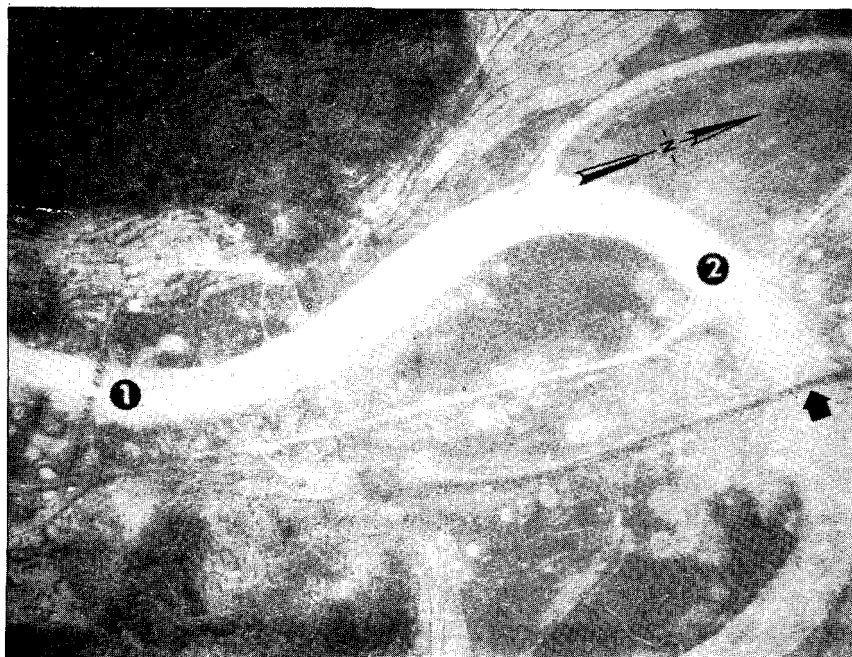
By-Pass No. 1 - [] 13-span [] single track wood and concrete deck-type rail bridge with spans measuring 2 @ 75', 11 @ 25'; 1650' S of main bridge; 2 spans and 1 pier destroyed; unserviceable.

By-Pass No. 2 - no change []

25X1

25X1	[]
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NOTE: All measurements are approximate.

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 GROUP 1
 Excluded from automatic
 downgrading and declassification

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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Xom Ca Trang Hwy. Bridge No. 1 over Rao Cai [redacted] Bridge No. 3 on NE 48-11	COUNTRY	North Vietnam	COORDINATES	17 57N - 105 49E WE873856
	25X1	[redacted]			BRIEF NO:	PIB 75608 April 1967
	MAP	JOG (A) 1501 NE 48-11				
LOCATION: 0.6 nm W of Xom Ca Trang on Route 15.						

DESCRIPTION:

25X1	LENGTH	350'	MATERIAL	Steel and concrete
	WIDTH	[redacted]	NO. OF SPANS	4
	TYPE	Deck	LENGTH OF EACH SPAN	2 @ 90', 2 @ 85'

STATUS:

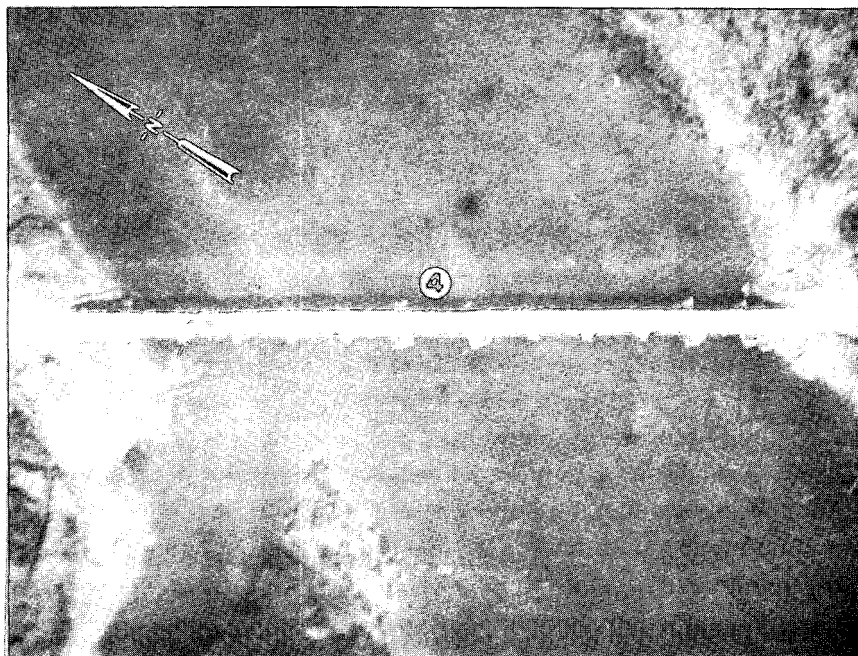
Cloud cover precludes interpretation of main bridge.

COMPENSATIVE ACTION:

25X1	By-Pass No. 1	- [redacted] no change [redacted] (not illustrated).	
	By-Pass No. 2	- no change [redacted] (not illustrated).	
	By-Pass No. 3	- no change [redacted] (not illustrated).	25X1
	By-Pass No. 4	- (formerly by-pass No. 1 - [redacted] 11-span 275' x 10' timber deck-type bridge with timber piers; spans measure [redacted] 1 @ 35'; 3900' SW of main bridge; serviceable.	25X1

25X1

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Thanh Thuy Hwy. Bridge over stream <input type="text"/> Bridge No. 43 on NE 48-11	COUNTRY	North Vietnam	COORDINATES	17 47N - 106 14E XE310682
	25X1	<input type="text"/>			BRIEF NO:	PIB 75610 April 1967
	MAP	JOG (A) 1501 NE 48-11				

LOCATION: At Thanh Thuy on Route 110.

DESCRIPTION:

25X1	LENGTH	30'	MATERIAL	Wood with concrete abutments
	WIDTH	<input type="text"/>	NO. OF SPANS	2
	TYPE	Deck	LENGTH OF EACH SPAN	15'

STATUS:

Deck destroyed; 1 abutment damaged.

COMPENSATIVE ACTION:

By-Pass No. 1 - 40' x 15' rock/gravel causeway; 50' S of main bridge; serviceable.

25X1

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

25X1 NAME Bau Khe Hwy. Bridge over stream COORDINATES 17 40N - 106 30E
Bridge No. 15 on NE 48-12 North Vietnam XE601541

25X1 BRIEF NO:
PIB 75611
April 1967

MAP JOG (A) 1501 NE 48-12

LOCATION: 1.6 nm NW of Ly Hoa on Route 1A.

DESCRIPTION:

25X1 LENGTH 30' MATERIAL Wood
WIDTH NO. OF SPANS 1
TYPE Deck-beam LENGTH OF EACH SPAN 30'

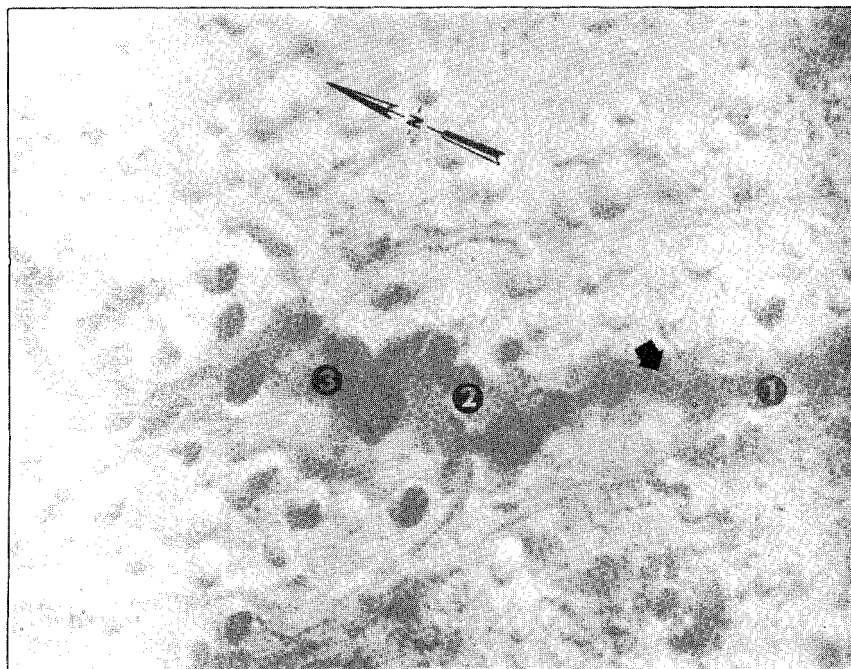
25X1 STATUS: No change

COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - 20' natural ford; 50' S of main bridge;
serviceable.
By-Pass No. 2 - 60' natural ford; 100' N of main bridge; serviceable.
By-Pass No. 3 - 35' natural ford; 150' N of main bridge; serviceable.

25X1

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

NAME Thinh Lac RR. Bridge over
stream
Bridge No. 12 on NE 48-3COUNTRY
North VietnamCOORDINATES
19 40N - 105 42E
WG741748BRIEF NO:
PIB 75612
April 1967

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.2 nm E of Thinh Lac on the Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 100'

WIDTH 10'

TYPE Through-truss

MATERIAL Steel and concrete

NO. OF SPANS 3

LENGTH OF EACH SPAN

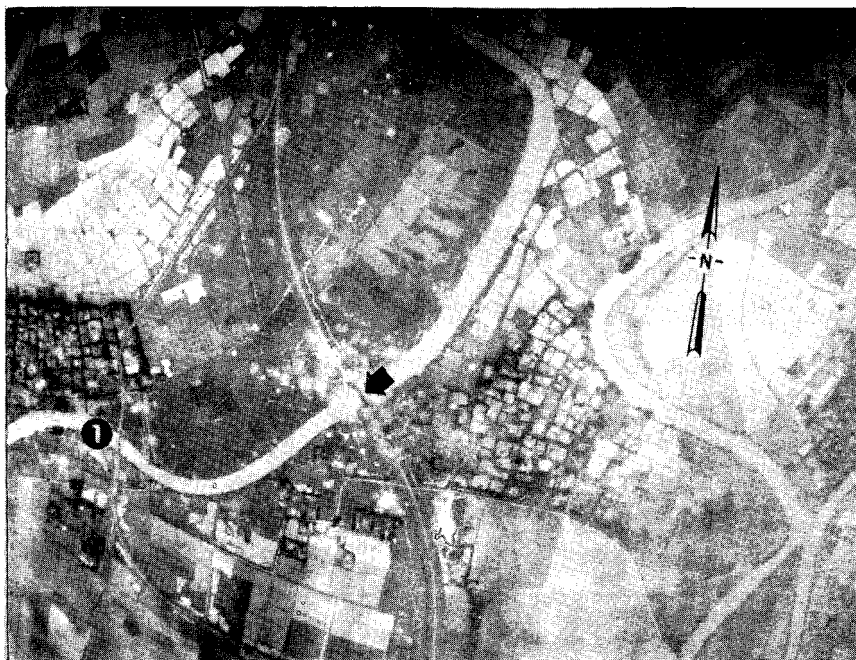
STATUS:

1 span damaged; under active repair.

COMPENSATIVE ACTION:

By-Pass No. 1 no change

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Thien Linh Dong RR. Bridge	COUNTRY	North Vietnam	COORDINATES	19 43N - 105 42E XG748815
		over Hoang Giang [redacted] Bridge No. 33 on NE 48-3				
25X1					BRIEF NO:	
					PIB 75613 April 1967	

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.5 nm N of Thien Linh Dong on the Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

25X1	LENGTH	80'	MATERIAL	Steel and concrete
	WIDTH	[redacted]	NO. OF SPANS	2
	TYPE	Deck-girder	LENGTH OF EACH SPAN	40'

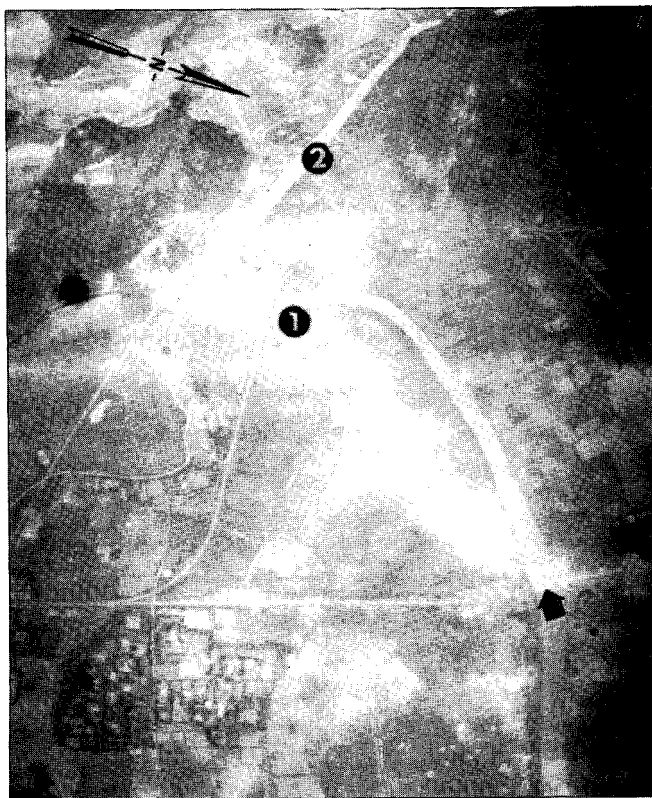
25X1 STATUS: No change [redacted]

COMPENSATIVE ACTION:

25X1	By-Pass No. 1 -	[redacted]	4-span [redacted] timber deck-type bridge with lattice towers; spans measuring [redacted] 1800' W of main bridge; repaired and serviceable.	25X1
				25X1
25X1	By-Pass No. 2 -	[redacted]	no change [redacted]	25X1

25X1 [redacted]

NOTE: All measurements are approximate.



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DDI IMAGERY ANALYSIS STAFF

25X1 NAME Trong Quang Tien RR. Bridge
over Song Yen [REDACTED]
Bridge No. 37 on NE 48-3

25X1 COUNTRY North Vietnam

COORDINATES 19 37N - 105 42E
WG740696

25X1 BRIEF NO:
PIB 75614
April 1967

MAP JOG (A) 1501 NE 48-3

LOCATION: 1.2 nm E of Trong Quang Tien on Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

25X1 LENGTH 195'
WIDTH [REDACTED]
TYPE Deck-beam with lattice towers

MATERIAL Wood
NO. OF SPANS 5
LENGTH OF EACH SPAN [REDACTED]

25X1

STATUS:

25X1 No change [REDACTED]

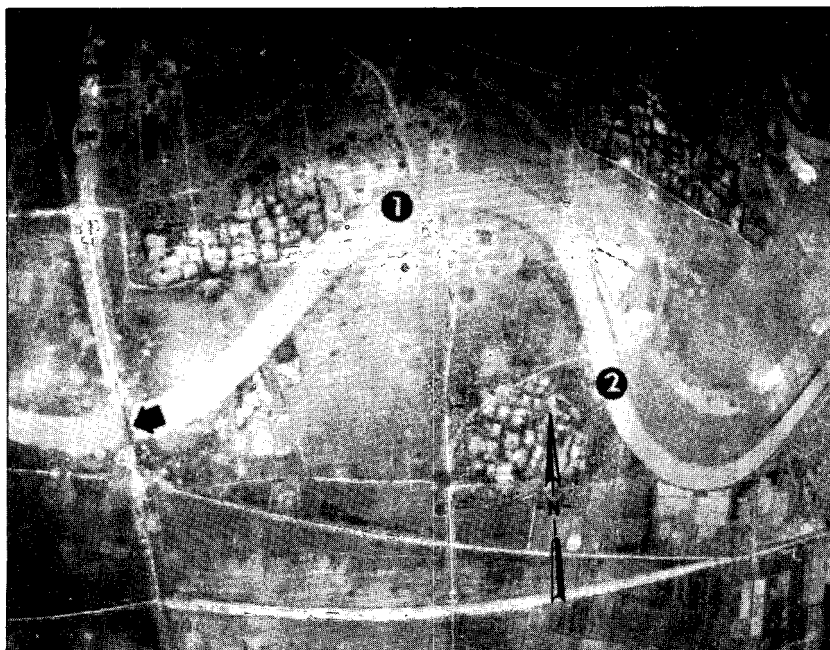
COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - [REDACTED] 8-span [REDACTED] wood and steel deck-beam
bridge with spans measuring [REDACTED] 1000' NE of
main bridge; 4 spans destroyed, 1 damaged; unserviceable. 25X1

25X1 By-Pass No. 2 - [REDACTED] probable 8-span [REDACTED] timber deck-
beam bridge with spans measuring 20' each; 1890' E of main
bridge; U/C, piers and abutments in place, track on
approaches; unserviceable. 25X1

25X1 [REDACTED]

NOTE: All measurements are approximate.



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DDI IMAGERY ANALYSIS STAFF

25X1	NAME Thi Long RR, Bridge SE [redacted]	COUNTRY	COORDINATES
25X1	Bridge No. 38 on NE 48-3	North Vietnam	19 30N - 105 44E WG775577
	BRIEF NO:		
	MAP JOG (A) 1501 NE 48-3		PIB 75615 April 1967

LOCATION: 1 nm E of Que Lam on the Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

25X1	LENGTH 80'	MATERIAL Wood
	WIDTH [redacted]	NO. OF SPANS 7
	TYPE Deck	LENGTH OF EACH SPAN [redacted]

25X1

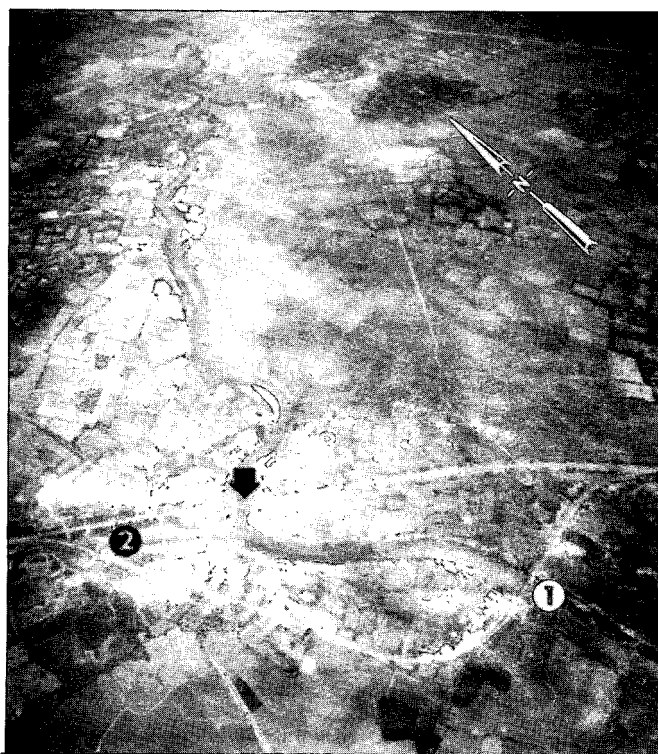
25X1	STATUS: No change [redacted]
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COMPENSATIVE ACTION:

25X1	By-Pass No. 1 - 4-span [redacted] single track wood deck-beam type railroad bridge with spans measuring 20'; 960' S of main bridge; serviceable.
25X1	By-Pass No. 2 - single span [redacted] wood deck-beam railroad bridge; 600' W of main bridge; serviceable.

25X1	[redacted]
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NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Tam Da RR. and Hwy. Bridge	COUNTRY	North Vietnam	COORDINATES	18 50N - 105 39E WF691839
		over Song Cua Lo [REDACTED] Bridge No. 18 on NE 48-7				
25X1		[REDACTED]			BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-7			PIB 75618 April 1967	

LOCATION: 2.3 nm NE of Tam Da on the Hanoi/Dong Hoi Rail Line and Route 1A.

DESCRIPTION:

25X1	LENGTH	360'	MATERIAL	Concrete and timber
	WIDTH	[REDACTED]	NO. OF SPANS	12 probable
	TYPE	Deck-beam	LENGTH OF EACH SPAN	30'

STATUS:

Southernmost span destroyed; possible damage to one pier; both abutments damaged.

COMPENSATIVE ACTION:

By-Pass No. 1 - no change
By-Pass No. 2 - no change

[REDACTED]

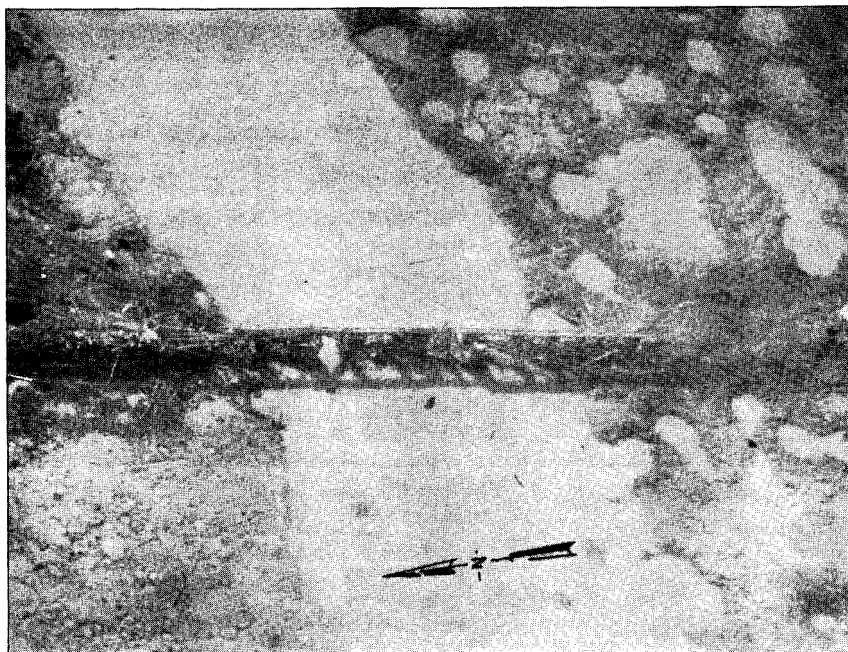
(not illustrated).
(not illustrated).

25X1

25X1

[REDACTED]

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Ban Pieng Hom Hwy. Bridge Bridge No. 3 on NE 48-2	North Vietnam	19 22N - 104 13E VG187418
BRIEF NO:		
PIB 75624		
April 1967		

MAP JOG (A) 1501 NE 48-2

LOCATION: 1.0 nm NW of Ban Pieng Hom on Route 7.

DESCRIPTION:

LENGTH 150'
WIDTH 10'
TYPE Deck

MATERIAL Concrete
NO. OF SPANS 3
LENGTH OF EACH SPAN 50'

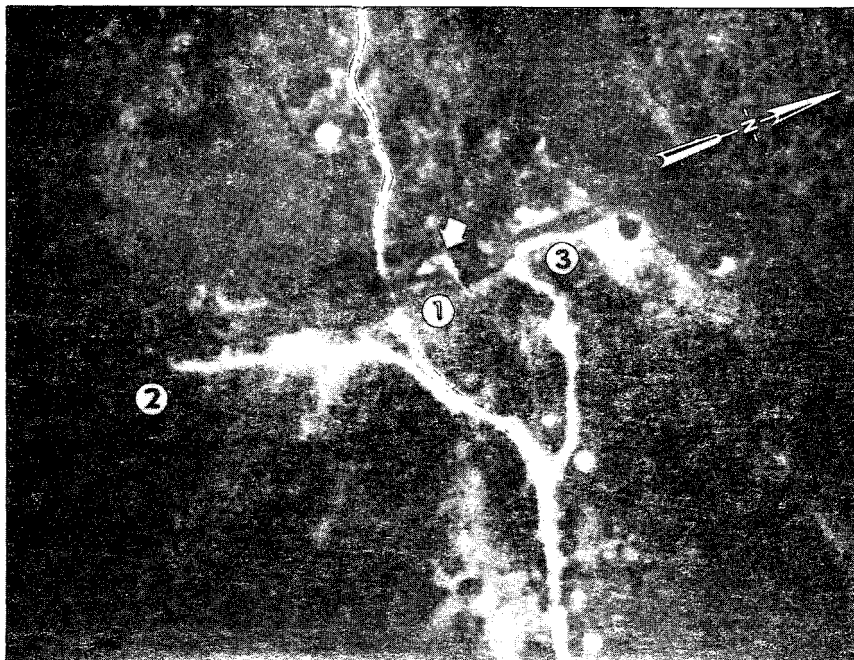
STATUS:

No change

COMPENSATIVE ACTION:

By-Pass No. 1 - no change
By-Pass No. 2 - no change
By-Pass No. 3 - constructed 60' x 25' ford; probable rock/gravel base;
115' N of main bridge; serviceable.

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Yen Xa RR. and Hwy. Bridge over stream <input type="text"/> Bridge No. 12 on NF 48-15	COUNTRY	North Vietnam	COORDINATES	20 02N - 105 51E WH888165
	25X1	<input type="text"/>			BRIEF NO:	PIB 75628 April 1967
MAP		JOG (A) 1501 NF 48-15				

LOCATION: 0.5 nm W of Quang Lang Dong on Hanoi/Dong Hoi Rail Line and Route 1A.

DESCRIPTION:

LENGTH 55'
 WIDTH 15'
 TYPE Half-through truss

MATERIAL Steel and concrete
 NO. OF SPANS 1
 LENGTH OF EACH SPAN 55'

25X1 STATUS:

No change

COMPENSATIVE ACTION:

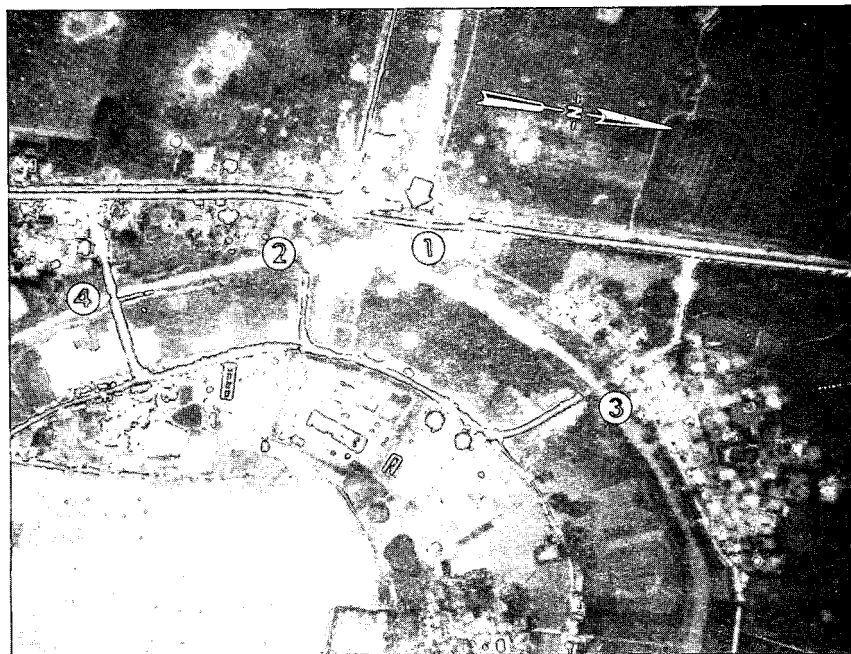
By-Pass No. 1 - no change By-Pass No. 2 - no change

By-Pass No. 3 - 4-span 80' x 10' probable timber deck-type highway bridge
 with spans measuring 20'; 500' NE of main bridge; U/C,
 piers complete, unserviceable.

25X1 By-Pass No. 4 - single span timber deck-type highway bridge;
 400' SE of main bridge; serviceable.

25X1

NOTE: All measurements are approximate.

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GROUP 1
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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Dong Phuong Thuong RR. & Hwy. Br. over Song Len [REDACTED] Bridge No. 6 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 58N - 105 50E WH886091
	25X1	[REDACTED]			BRIEF NO:	PIB 75630 April 1967
	MAP	JOG (A) 1501 NE 48-3				
LOCATION: 0.5 nm E of Na Thon on Hanoi/Dong Hoi Rail Line and Route 1A.						

DESCRIPTION:

25X1	LENGTH	525'	MATERIAL	Steel and concrete
	WIDTH	[REDACTED]	NO. OF SPANS	3
	TYPE	Through-truss	LENGTH OF EACH SPAN	175'

25X1 STATUS: No change [REDACTED]

COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - 13-span [REDACTED] steel deck-beam rail bridge with timber piers; spans measuring [REDACTED] 1350' E of main bridge; serviceable.

25X1 By-Pass No. 2 - no change [REDACTED] (not illustrated).

25X1 By-Pass No. 3 - [REDACTED] pontoon highway bridge; 900' W of main bridge; serviceable.

By-Pass No. 4 - no change [REDACTED]

By-Pass No. 5 - 300' x 10' cable/suspension bridge with removeable wood decking (in rolls); 3000' SW of main bridge; completely destroyed.

By-Pass No. 6 - ferry landings located 2500' SW of main bridge; serviceable; no ferryboat noted.

25X1

NOTE: All measurements are approximate.

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GROUP 1
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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Ha Chanh Hwy. Bridge over stream <input type="text"/>	COUNTRY	North Vietnam	COORDINATES	21 07N - 107 21E YJ440371
		Bridge No. 1 on NF 48-12				
25X1					BRIEF NO:	
	MAP				JOG (A) 1501 NF 48-12	PIB 75631 April 1967
LOCATION: 0.8 nm W of Ha Chanh on Route 18.						

DESCRIPTION:

25X1	LENGTH	120'	MATERIAL	Steel and concrete
	WIDTH	<input type="text"/>	NO. OF SPANS	3
	TYPE	Half-through truss	LENGTH OF EACH SPAN	2 @ 15', 1 @ 90'

STATUS:

25X1 No change

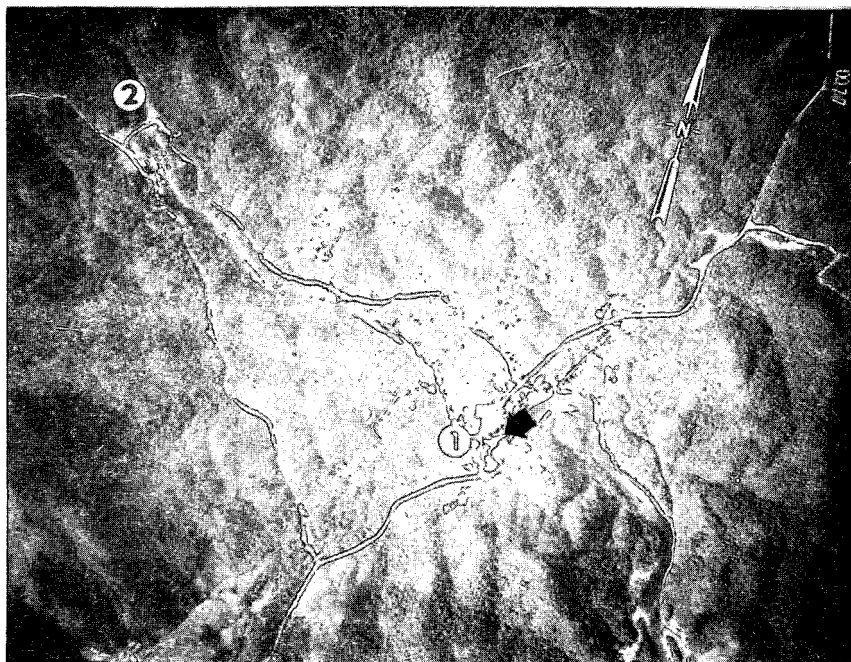
COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - 4-span 40' x 10' wood deck-type bridge with spans measuring
25X1 10'; 90' W of main bridge; serviceable.

25X1 By-Pass No. 2 - 4-span wood deck-type bridge with spans measuring
25X1 2050' W of main bridge; serviceable.

25X1

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

25X1 NAME Xom Ca Trang Hwy. Bridge over
 Nam Quat
 Bridge No. 17 on NE 48-11

COUNTRY
 North Vietnam

COORDINATES
 17 57N - 105 48E
 WE861859

25X1

MAP JOG (A) 1501 NE 48-11

BRIEF NO:
 PIB 75635
 April 1967

LOCATION: 0.8 nm NW of Xom Ca Trang on Route 15.

DESCRIPTION:

25X1 LENGTH 190'
 WIDTH
 TYPE Deck

MATERIAL Concrete and possible steel
 NO. OF SPANS 2 probable
 LENGTH OF EACH SPAN 95'

25X1 STATUS: No change

COMPENSATIVE ACTION:

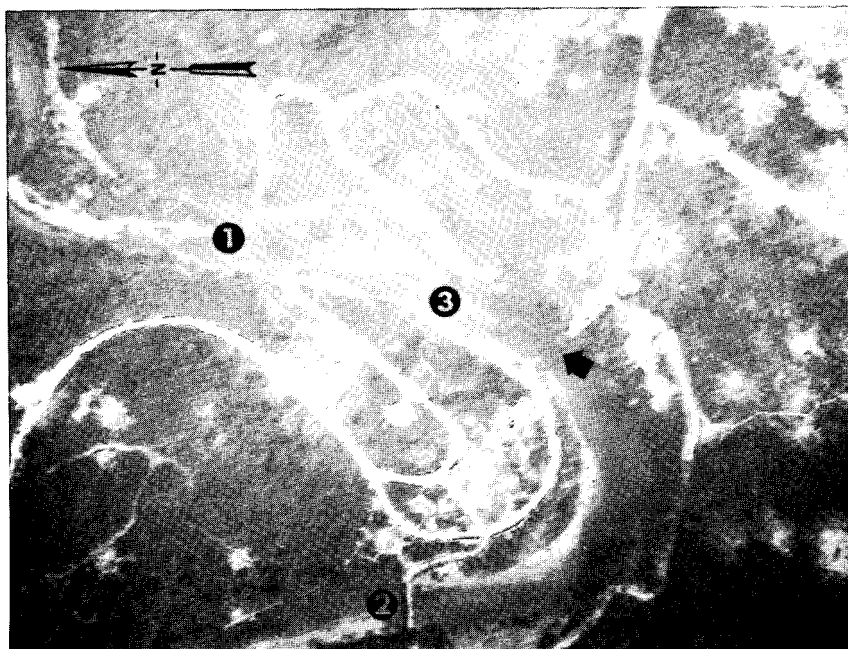
25X1 By-Pass No. 1 - constructed 90' x 10' ford; probable rock/gravel base;
 500' N of main bridge; serviceable.

By-Pass No. 2 - 6-span 70' x 10' wood deck-type bridge with spans measuring
 360' WNW of main bridge; serviceable.

By-Pass No. 3 - constructed 100' x 10' ford; probable rock/gravel base;
 175' NNE of main bridge; serviceable.

25X1

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Xom Ca Trang Hwy. Bridge No. 1	COUNTRY	COORDINATES
		over Rao Cai [REDACTED]		
25X1		Bridge No. 3 on NE 48-11		
		[REDACTED]		BRIEF NO:
		[REDACTED]		PIB 75636
	MAP	JOG (A) 1501 NE 48-11		April 1967
	LOCATION:	0.6 nm W of Xom Ca Trang on Route 15.		

DESCRIPTION:

25X1

LENGTH	350'	MATERIAL	Steel and concrete
WIDTH	[REDACTED]	NO. OF SPANS	4
TYPE	Deck	LENGTH OF EACH SPAN	2 @ 90', 2 @ 85'

25X1

STATUS: No change [REDACTED]

COMPENSATIVE ACTION:

25X1

By-Pass No. 1 - [REDACTED] no change [REDACTED] 25X1

By-Pass No. 2 - no change [REDACTED] (not illustrated). 25X1

By-Pass No. 3 - no change [REDACTED]

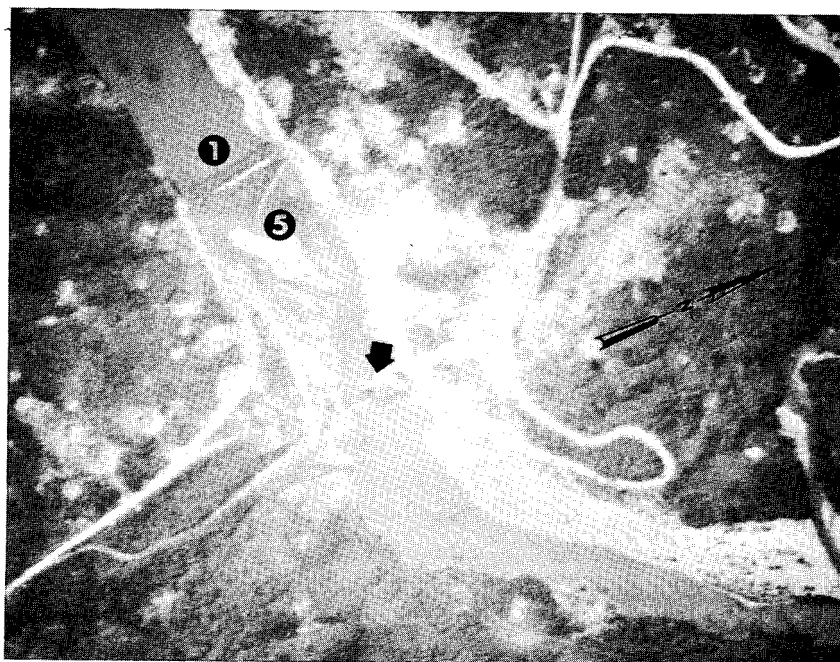
By-Pass No. 4 - 11-span 275' x 10' timber deck-type bridge with timber piers;
spans measure [REDACTED] 3900' SW of main bridge;
6 spans destroyed; unserviceable. 25X1

By-Pass No. 5 - constructed 300' x 20' ford; probable rock/gravel base;
375' W of main bridge; serviceable.

25X1

[REDACTED]

NOTE: All measurements are approximate.

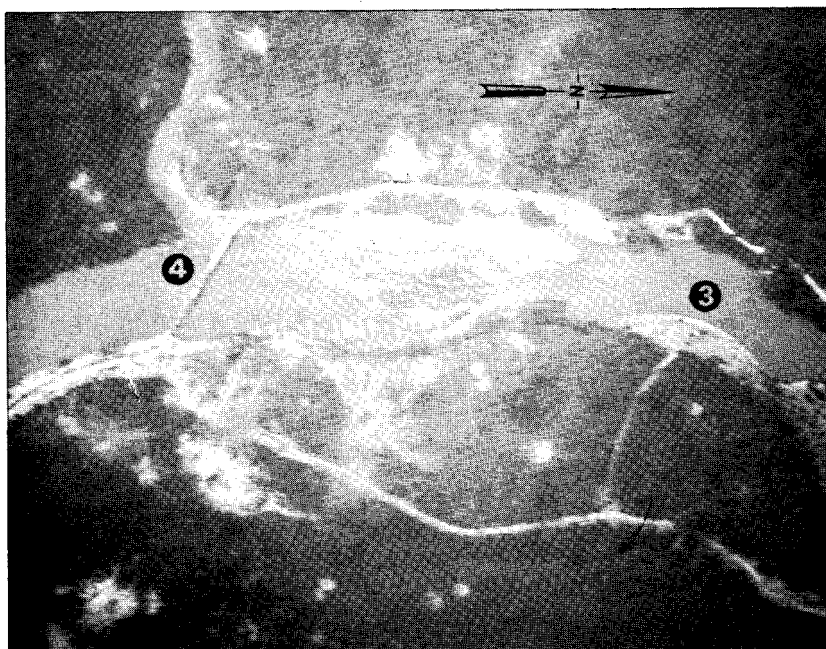
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DDI IMAGERY ANALYSIS STAFF

PIB 75636

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